

Smith-Hill and Bedell, P.C.

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PATENT AND TRADEMARK LAWYERS

12670 NW Barnes Rd., Suite 104
Portland, Oregon 97229
Telephone: (503) 574-3100
Facsimile: (503) 574-3197

John Smith-Hill

Daniel J. Bedell

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FACSIMILE COVER SHEET

To: Derrick W. Ferris
Art Unit 2663

From: John Smith-Hill

Firm: US PATENT AND
TRADEMARK OFFICE

Date: November 14, 2003

Fax: 1-703-872-9314

Our ref: TUT 2646

Your ref: 09/535,676

Pages: Cover + 4

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PATENT

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Application of

Mayer D. SCHWARTZ et al

Art Unit: 2663

Application No: 09/535,676

Examiner:
Derrick W. Ferris

Filed: March 23, 2000

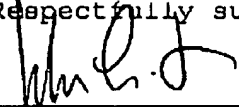
For: DEMULTIPLEXING A STATISTICALLY
MULTIPLEXED MPEG TRANSPORT STREAM INTO
CBR SINGLE PROGRAM TRANSPORT STREAMSTRANSMITTAL OF POWER OF ATTORNEYCOMMISSIONER FOR PATENTS
P.O. Box 1450
Alexandria, Virginia 22313-1450

Sir:

Transmitted herewith is a power of attorney (with attachments).
Please record 007812 as the Customer Number for this application.

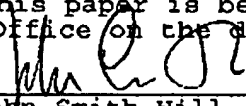
In accordance with the instructions in the power of attorney,
please direct all future correspondence to the correspondence address
associated with Customer Number 007812.

Respectfully submitted,



John Smith-Hill
Reg. No. 27,730SMITH-HILL & BEDELL, P.C.
12670 NW Barnes Road, Suite 104
Portland, Oregon 97229Tel. (503) 574-3100
Fax (503) 574-3197
Docket: TUT 2646Certificate of Facsimile Transmission

I hereby certify that this paper is being facsimile transmitted
to the Patent and Trademark Office on the date shown below.



John Smith-Hill

Date 11/14/03

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2646

PATENT

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Application of

Mayer D. SCHWARTZ et al

2663

Art Unit: 2221

Examiner:

Application No: 09/535,676

Filed: March 23, 2000

For: DEMULTIPLEXING A STATISTICALLY MULTIPLEXED
MPEG TRANSPORT STREAM INTO CBR SINGLE
PROGRAM TRANSPORT STREAMS

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CERTIFICATE UNDER 37 CFR 3.73(b)
POWER OF ATTORNEY BY ASSIGNEE

TUT SYSTEMS INC., a Delaware corporation, certifies that it is the assignee of the entire right, title, and interest in the U.S. patent application identified above by virtue of an assignment from Mayer D. Schwartz and Ryan P. Hegar to Tektronix, Inc. recorded August 28, 2003 at Reel 013924, Frame 0075; an assignment from Tektronix, Inc. to VideoTele.Com, Inc. dated June 6, 2003 (copy enclosed) and a merger of VideoTele.Com, Inc. into TUT SYSTEMS, INC. recorded August 6, 2003 at Reel 013852, Frame 0417.

The undersigned declares that he is an officer of TUT SYSTEMS, INC. and is authorized to sign this certificate on behalf of TUT SYSTEMS, INC.; and further declares that all statements made herein of his own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Title 18, United States Code, Sec. 1001, and that such willful false statements may jeopardize the validity of the application or any patent issued thereon.

TUT SYSTEMS, INC. as Assignee of the entire right, title, and interest in and to this U.S. patent application, hereby revokes any previous Powers of Attorney and appoints the practitioners associated with Customer Number 007812 (John Smith-Hill, Reg. No. 27,730 and Daniel J. Bedell, Reg. No. 30,156) to prosecute this application and transact all business in the Patent and Trademark Office connected therewith and in connection with the resulting patent.

Send correspondence to the correspondence address associated with Customer Number 007812.

TUT SYSTEMS, INC.

By: Randall K. GausmanName: Randall K. GausmanTitle: CEODate: 11/14/03

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ASSIGNMENT

THIS ASSIGNMENT, effective February 26, 2000, is made by
TEKTRONIX, INC., 14150 S.W. Karl Braun Drive, Beaverton, Oregon 97077-
0001 ("Assignor").

WHEREAS, Assignor is the owner of record of the United States
patents and patent applications listed in the accompanying Schedule
("VTC Patents"), and

WHEREAS, Assignor has entered into a Technology Transfer
Agreement with VIDEOTELE.COM, INC., an Oregon corporation, of 6000
S.W. Meadows Road, Suite 200, Lake Oswego, Oregon 97035 ("Assignee"),
and Assignee is desirous of acquiring the entire right, title, and
interest in and to the VTC Patents,

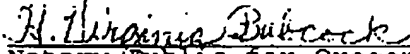
NOW THEREFORE, for good and valuable consideration, the receipt
and adequacy of which are hereby acknowledged, Assignor acknowledges
that it has assigned to Assignee its entire rights, title, and
interest in and to the VTC Patents.

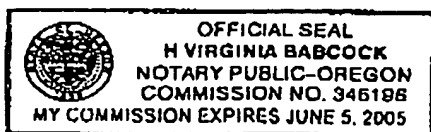
TEKTRONIX INC.

By: Name: James F. DaltonTitle: Vice President, General Counsel
and SecretaryDate: June 6, 2003

STATE OF OREGON)
) ss.
County of Washington)

This 6th day of June, 2003, before me
personally came the above-named James F. Dalton, personally known
to me, or proved to me on the basis of satisfactory evidence, to be
the person whose name is subscribed to the within instrument and
acknowledged to me that he/she executed the same in his/her authorized
capacity, and that by his/her signature on the instrument the person,
or the entity upon behalf of which the person acted, executed the
instrument.


Notary Public for Oregon
My commission expires: June 5, 2005



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SCHEDULE

U.S. Patents

<u>Patent No.</u>	<u>Issue Date</u>
4,757,508	07/12/1988
4,791,483	12/13/1988
4,852,035	07/25/1989
4,868,895	09/19/1989
4,885,582	12/05/1989
4,888,768	12/19/1989
5,123,032	06/16/1992
5,523,756	06/04/1996
5,878,057	03/02/1999
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5,923,681	07/13/1999
6,041,043	03/21/2000
6,330,285	12/11/2001
6,404,311	06/11/2002
6,483,851	11/19/2002
6,310,898	10/30/2001

U.S. Patent Applications

<u>Application No.</u>	<u>Filing Date</u>
09/305,237	05/04/1999
09/323,592	06/01/1999
09/336,788	06/23/1999
09/357,649	07/20/1999
09/452,612	12/10/1999
09/535,676	03/23/2000
09/585,729	05/31/2000
09/616,109	07/14/2000